# EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|---|---|---|---|---|---|---|
| L1 | 2572 | (369/275.4).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/21 14:36 |
| L2 | 67795 | (pit$1 mark$1) and pitch | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/21 14:38 |
| L3 | 6472 | ((photo near5 detect$3) photodetect$3) and (track$3 same error$1 same signal) and phase | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/21 14:39 |
| L4 | 2088 | 2 and 3 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/21 14:39 |
| L5 | 31255 | equal$7 same frequency same gain | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/21 14:40 |
| L6 | 64 | 4 and 5 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/21 14:40 |
| L7 | 7 | 1 and 6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/21 14:40 |

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|---|---|---|---|---|---|---|
| L8 | 0 | ((pit$1 mark$1) and pitch and ((photo near detect$3) photodetect$3) and (track$3 near6 error near6 signal) and (phase near5 difference) and equal$7 and (frequency near9 gain)).clm. | US-PGPUB | OR | ON | 2008/10/21 14:48 |
| L9 | 1 | ((pit$1 mark$1) and ((photo near detect$3) photodetect$3) and track$3 and error and signal and phase and equal$7 and frequency and gain).clm. | US-PGPUB | OR | ON | 2008/10/21 14:49 |
| L10 | 11 | (((photo near detect$3) photodetect$3) and track$3 and error and signal and phase and equal$7 and frequency).clm. | US-PGPUB | OR | ON | 2008/10/21 14:50 |
| L11 | 236 | (369/44.36).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/21 14:56 |
| L12 | 2 | 6 and 11 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/21 14:56 |
| L13 | 803 | (369/44.35).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/10/21 14:56 |
| L14 | 4 | 6 and 13 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/21 14:57 |
| S1 | 2 | ("20040170094").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/03/07 10:50 |

# EAST Search History

| S2 | 2 | ("7277367").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/03/07 10:56 |
|----|---|-----------------|---------------------------------------------------------|----|----|------------------|
| S3 | 23245 | (pits mark$1) near6 length | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/10 15:06 |
| S4 | 405924 | (pits mark$1) and length | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/10 15:06 |
| S5 | 87416 | (pits mark$1) same length | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/10 15:06 |
| S6 | 4823 | (((photodetect$3 same track$3) same error) same signal) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/10 15:07 |
| S7 | 150293 | (phase adj2 difference) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/10 15:07 |
| S8 | 10166 | (equaliz$5 same waveform) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/10 15:08 |

| S9 | 35655 | ((frequency same gain) same characteristic$1) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/10 15:09 |
|-----|-------|-----|-----|-----|-----|-----|
| S10 | 683 | S5 and S6 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/10 15:09 |
| S11 | 178 | S7 and S10 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/10 15:09 |
| S12 | 20 | S8 and S11 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/10 15:09 |
| S13 | 2 | S9 and S12 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/10 15:09 |
| S14 | 957 | S6 and S7 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/10 16:02 |
| S15 | 42 | S8 and S14 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/10 16:03 |

| S16 | 7 | S9 and S15 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/10 16:03 |
|-----|------|---------------------|---|----|----|-----------------|
| S17 | 9528 | division$4 near4 detect$4 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/10 16:25 |
| S18 | 178 | S6 and S17 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/10 16:26 |
| S19 | 23 | S5 and S18 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/10 16:26 |
| S20 | 688 | S8 and S9 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/10 17:17 |
| S21 | 73 | S5 and S20 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/10 17:17 |
| S22 | 3 | S6 and S21 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/10 17:18 |

| S23 | 3 | ("7102967").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/03/18 15:25 |
|-----|------|-----|-----|-----|-----|-----|
| S24 | 14757 | (equalization frequency) adj2 gain | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/18 16:06 |
| S25 | 10511 | S24 and characteristic$1 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/18 16:07 |
| S26 | 10 | photo$detect same ((track$3 sdj2 error) adj2 signal) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/18 16:08 |
| S27 | 0 | S24 and S26 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/18 16:09 |
| S28 | 189376 | ((track$3 sdj2 error) adj2 signal) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/18 16:09 |
| S29 | 2721 | S24 and S28 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/18 16:09 |

| S30 | 2205 | S25 and S28 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/18 16:10 |
|-----|------|-------------|---------|----|----|-----------------|
| S31 | 17 | S29 and photodetection | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/18 16:10 |
| S32 | 60874 | high adj2 pass | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/18 17:05 |
| S33 | 1981 | S24 and S32 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/18 17:05 |
| S34 | 565 | S29 and S32 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/18 17:06 |
| S35 | 1091354 | pit$1 mark$1 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/18 17:07 |
| S36 | 207 | S34 and S35 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/03/18 17:07 |

| S37 | 149 | S36 and dB | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/03/18 17:22 |
|-----|-----|-----|-----|-----|-----|-----|
| S38 | 0 | (2001/0053115).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/03/19 12:18 |
| S39 | 2 | ("20010053115").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/03/19 12:19 |
| S40 | 2 | ("20020126593").PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/03/19 12:19 |
| S41 | 233 | (369/44.36).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/03/19 12:20 |
| S42 | 793 | (369/44.35).CCLS. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/03/19 12:32 |
| S43 | 4 | (detect$3 same track$3 same error same signal same generat$3 same equaliz$5 same waveform$1 same frequency same gain same (pit mark)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/09 18:38 |

| S44 | 6 | (error same signal same generat$3 same equaliz$5 same frequency same gain same (pit mark)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/09 18:40 |
|-----|-----|---------------------------------------------------------|----------------------------------------------------------|----|----|------------------|
| S45 | 218 | (equaliz$5 same frequency same gain same (pit mark)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/10/09 18:40 |